

Technical Data Sheet



Ressi TA 290

High Strength, waterproof, insulating,
acoustic & flame retardant tile adhesive

Ressi TA 290 is a dry premix ready to use cement based insulating and acoustic tile adhesive containing perlite, aggregates and other polymers. **Ressi TA 290** can be used as an adhesive for heavy natural tiles and stones including vertical applications. **Ressi TA 290** is an ideal tile adhesive for installing mosaic, ceramic, marble, granite and other general homogenous tiles. **Ressi TA 290** can easily be applied using the application spectrum as defined by BS EN 5385-1.

Advantages

- ✓ Aids in insulation
- ✓ Flame Retardant
- ✓ Aids in sound Reduction
- ✓ Crack resistant
- ✓ Waterproof
- ✓ Longer open time
- ✓ Salt free mix
- ✓ Excellent adhesion
- ✓ Excellent workability

Surface preparation

All loose particles and oil shall be cleaned off the surface prior to the application. For very hot climatic conditions, the surface may be dampened with potable water. Application on most type of cementitious surfaces like block work, concrete and rough plastered surfaces is possible. The surface should be sufficiently aged (At least 7 days for newly erected masonry surface and freshly plastered surface) before the installation of the tiling may begin. It is also recommended that expansion joints should not be tiled over and suitable treatment should be done over them. Highly absorbent surfaces should be dampened before spreading **Ressi TA 290**. Defective and unsound surfaces should be repaired before the installation of the tiles. It is also important to ensure that there is no dust at the backs of the tile, otherwise it may cause hollow sounds and improper adhesion of the tiles to the substrate.

Product Preparation

It is important that water is premeasured in accordance with the amount of material used. The Mortar powder should be added over the water to avoid the settlement of the material at the bottom of the mixing container. The Mixing container should be uncontaminated, non-corrosive and clean. Only potable water should be used for mixing. It is also recommended that the material should be mechanically mixed with a mortar mixer or other mechanical mixing methods to obtain a consistent lump free mix.

Application

Buttering of the material onto the back of the tiles is usually not recommended as it this may cause poor adhesion. Spread the material evenly onto the surface using a suitable straight edge trowel and



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then notch immediately. To ensure good bonding, it is recommended not to spread the material more than 1m² at a time as the mortar may dry up resulting in poor adhesion and causing difficulties in application. After the application and levelling of the mortar, the tiles should be firmly knocked into the position. Adjustment of the tiles should be done at a maximum of 15 minutes after application.

Technical Data

Appearance	White Powder
Composition	Contains cement and selected aggregates along with additives to improve consistency, workability and durability.
Maximum aggregate size	1.0 mm
*Water application	20% ± 5%
*Pull off Strength	1.25 N/mm ² @ 28 Days Tested as per BS EN 1348
*Slip Test	Non Slip as per BS EN 1308
* Open Time	20 Min Tested as per BS EN 1346
* Water Retention	99.4%
* Approximate Yield/Coverage	0.84 m ³ / T
* Fire Rating	2 Hours (Tested as per ASTM E119-15)
* STC Rating	± 3 Points (Tested as per ASTM E90)
* R Value	0.8 @ 18mm Thickness

*Typical Results under laboratory conditions
These results comply with BS EN 12004 Type D Class 2 TE

Shelf Life

Expiration of **Resi TA 290** is at 12 months after production date under dry and sheltered conditions.

Packaging

Resi TA 290 is available in 20 KG Bags

Health and Safety

Resi TA 290 is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.



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